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:516 742 4366

Fax

)3) 746-9195		Pages:	15 (including o	over sheet)
		Date:	6/1/2004	
efit/Priority Claim(s) S.N.: 10/646,874		CC:		
Docket: 15463ZYXY	WV	<u> </u>		
☐ For Review ☐	Please Comment		☐ Please Reply	☐ Please Recycle
	efit/Priority Claim(s) S.N.: 10/646,874 Docket: 15463ZYX	efit/Priority Claim(s) S.N.: 10/646,874 Docket: 15463ZYXWV	efit/Priority Claim(s) S.N.: 10/646,874 Docket: 15463ZYXWV	efit/Priority Claim(s) S.N.: 10/646,874 Docket: 15463ZYXWV

- 1. Notice Regarding Benefit/Priority Claim(s)
- 2. Response to Notice Regarding Benefit/Priority Claim(s)
- 3. Request for Corrected Filing Receipt
- 4. Copy of Form PCT/DO/EO/903
- 5. Filing Receipt corresponding to U.S.S.N.: 07/847,018
- 6. Certificate of Facsimile Transmission dated June 1, 2004

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APPL NO. (c) DATE 0/646,874 08/22/2003 1648	1426		CONFIRMA	TION NO. 6784

FILING RECEIPT *OC000000011549630*

3CULLY SCOTT MURPHY & PRESSER, PC 100 GARDEN CITY PLAZA SARDEN CITY, NY 11530

Date Mailed: 12/22/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Timothy J. Miller, Malvern, PA; Albert Paul Reed, Exton, PA; "Sharon R. Klepfer, Clifton Heights, PA; Nancy E. Pfeiffer, Seward, NE; Brian T. Suiter, Lincoln, NE; Elaine V. Jones, Wynnewood, PA;

Assignment For Published Patent Application

Pfizer, Inc., New York, NY;

Domestic Priority data as claimed by applicant

This application is a CON of 09/854,799 05/14/2001 PAT 6,642,359 which is a CON of 08/392,459 02/22/1995 PAT 6,280,974 which is a CON of 07/847,018 04/08/1992 ABN

Foreign Applications

If Required, Foreign Filing License Granted: 12/19/2003

Projected Publication Date: 04/01/2004

Non-Publication Request: No

Early Publication Request: No

Title

Recombinant feline coronavirus S proteins

Preliminary Class

435

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Page 1 of 3



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APPLICATION NUMBER

FILING OR 371 (c) DATE

FIRST NAMED APPLICANT

ATTY. DOCKET NO./TITLE

10/646,874

08/22/2003

Timothy J. Miller

15463ZYXWV (PC9003E)

CONFIRMATION NO. 6784

OC00000012489960

23389 SCULLY SCOTT MURPHY & PRESSER, PC 400 GARDEN CITY PLAZA GARDEN CITY, NY 11530

Date Mailed: 04/29/2004

Notice Regarding Benefit/Priority Claim(s)

Improper Benefit Claim(s) to Prior-Filed Nonprovisional Application(s)

The benefit claim(s) to prior-filed nonprovisional application(s) is improper because there is no specific reference for each prior-filed application that includes: (1) the identification of the prior-filed application by application number, or international application number and international filing date; and (2) a clear indication the <u>relationship</u> (i.e., continuation, divisional, or continuation-in-part) of the nonprovisional applications. For example, applicant should amend the specification to include a specific reference, such as "This application is a continuation of Application No. 10/---,— filed ---." in the first sentence of the specification following the title.

Applicant should review each benefit claim submitted and, if appropriate, provide the proper reference to the prior-filed application(s) as required by 37 CFR 1.78. A proper relationship includes an identification of each nonprovisional application as a continuation, divisional or continuation-in-part application of the immediate prior-filed nonprovisional application for which a benefit is claimed under 37 CFR 1.78 in order to establish copendency throughout the entire chain of prior-filed applications. The specific reference must be included in the domestic priority information section of an application data sheet (37 CFR 1.76), or the specification must contain, or be amended to contain, such reference in the first sentence following the title.

Timeliness: The required reference for each benefit claim must be filed during the pendency of the instant application and within the later of: (1) four months from the actual filing date of the instant application, or the national stage commencement date if the instant application is a national stage application under 35 U.S.C. 371; or (2) sixteen months from the filing date of the prior-filed application. Failure to timely file the required reference is considered a waiver of any benefit claim, unless a grantable petition to accept an unintentionally delayed claim under 37 CFR 1.78(a), the surcharge set forth in 37 CFR 1.17(t), and the required reference are filed. See 37 CFR 1.78(a).

Improper Benefit Claim(s) to Prior-Filed Nonprovisional Application(s)

The benefit claim(s) to prior-filed provisional application(s) is improper because the instant application was not filed within twelve (12) months from the filing date of the provisional application, application was not filed within twelve (12) months from the filing date of the provisional application that is directly claiming the PAGE 2/15 * RCVD AT 6/1/2004 4:37:22 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/3 * DNIS:7469195 * CSID:516 742 4366 * DURATION (mm-ss):06-40

benefit of the provisional application and filed within 12 months of the filing date of the provisional application. For example, applicant should amend the specification to include a specific reference, such as "This application is a continuation of Application No. 10/---,— filed ---, which claims the benefit of U.S. Provisional Application No. 60/---,— filed----." in the first sentence of the specification following the title.

Applicant should review each benefit claim submitted and, if appropriate, provide the proper reference to the prior-filed applications (including an indication of any intermediate nonprovisional application that is directly claiming the benefit of the provisional application and filed with 12 months of the filing date of the provisional application) as required by 37 CFR 1.78. The required reference must be included in the domestic priority information section of an application data sheet (37 CFR 1.76), or the specification must contain, or be amended to contain, such reference in the first sentence following the title.

Timeliness: The required reference for each benefit claim must be filed during the pendency of the instant application and within the later of: (1) four months from the actual filing date of the instant application, or the national stage commencement date if the instant application is a national stage application under 35 U.S.C. 371; or (2) sixteen months from the filing date of the prior-filed application. Failure to timely file the required reference is considered a waiver of any benefit claim, unless a grantable petition to accept an unintentionally delayed claim under 37 CFR 1.78(a), the surcharge set forth in 37 CFR 1.17(t), and the required reference are filed during the pendency of the instant application.

Improper Priority Claim(s) to Prior-Filed Foreign Application(s)

The instant application was not filed within twelve (12) months from the filing date of the prior-filed foreign application, and there is no benefit claim to an intermediate nonprovisional application filed within 12 months of the filing date of the foreign application. Applicant should review each priority claim submitted and, if appropriate, provide the proper reference to any intermediate nonprovisional application filed within 12 months of the filing date of the foreign application in compliance with 37 CFR 1.78, or delete the priority claim. The required reference to an intermediate nonprovisional application must be included in the domestic priority information section of an application data sheet (37 CFR 1.76), or the specification must contain, or be amended to contain, such reference in the first sentence following the title.

Timeliness: The required reference for the benefit claim to an intermediate nonprovisional application must be filed during the pendency of the instant application and within the later of: (1) four months from the actual filing date of the instant application, or the national stage commencement date if the instant application is a national stage application under 35·U.S.C. 371; or (2) sixteen months from the filing date of the prior-filed application. Failure to timely file the required reference is considered a waiver of any benefit claim, unless a grantable petition to accept an unintentionally delayed claim under 37 CFR 1.78(a), the surcharge set forth in 37 CFR 1.17(t), and the required reference are filed.

Benefit Claims to More Than 400 Prior-Filed Applications

The Office's automated system to record and capture benefit claims is only capable of recording benefit claims for 400 prior-filed applications. Therefore, the Office is unable to generate a filing receipt containing benefit claims for more than 400 prior-filed applications even though applicant is entitled to submit benefit claims for more than 400 prior-filed applications. Accordingly, applicant should not request a corrected filing receipt to include benefit claims for more than 400 prior-filed applications.

Page 3 of 3

Applicant submitted a benefit claim to a prior-filed nonprovisional application and improperly indicated that the prior-filed application is a national stage application under 35 U.S.C. 371. The Office's records show that the prior-filed application is an application filed under 35 U.S.C. 111(a). The Office has entered the benefit claim to the prior-filed application as a benefit claim to an application filed under 35 U.S.C. 111(a). Any request for a corrected filing receipt to include the indication that the prior-filed application is a national stage application will not be granted unless applicant supplies evidence that the prior application was in fact a national stage application. Accordingly, applicant should not submit such request without such evidence. Applicant should submit an amendment (or an application data sheet (ADS) if the benefit claim was submitted in an ADS) to delete the indication that the prior-filed application is a national stage application.

For more information and examples on benefit claims, please see Claiming the Benefit of a Prior-Filed Application under 35 U.S.C. 119(e), 120, 121, and 365(c), 1268 Off. Gaz. Pat. Office 89 (March 18, 2003), which is available on the USPTO website at http://www.uspto.gov/web/offices/com/sol/og/2003/week11/pathene.htm, and the Manual of Patent Examining Procedure (MPEP) §§ 201.11 and 201.14.

PART 2 - COPY TO BE RETURNED WITH RESPONSE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Timothy J. Miller, et al.

Examiner:

Unassigned

Serial No.:

10/646,874

Art Unit:

1648

Filed:

August 22, 2003

Docket:

15463ZYXWV

(PC9003F)

For:

RECOMBINANT FELINE

CORONAVIRUS S PROTEINS

Conf. No.:

6784

Dated:

June 1, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

RESPONSE TO NOTICE REGARDING BENEFIT/PRIORITY CLAIM

Sir:

In response to the Notice Regarding Benefit/Priority Claim(s) dated April 29, 2004, applicants respectfully submit that the prior submitted benefit claim to a prior-filed nonprovisional application indicating that said application was a national stage application under 35 U.S.C. 371 was in fact correct. Accordingly, applicants are resubmitting a request for corrected filing receipt. Accompanying said request, is a copy of Form PCT/DO/EO/903 evidencing the fact that U.S.S.N. 07/847,018 was in fact filed under 35 U.S.C. 371 based on PCT/US91/08525 filed on November 14, 1991. In addition, a copy of the filing receipt to U.S.S.N. 07/847,018 is also enclosed, said filing receipt also indicating the benefit claim to PCT/US91/08525.

CERTIFICATION OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated:

June 1, 2004

Edward W. Grolz

Based on the above, it is respectfully requested that the attached Request for Corrected Filing Receipt be granted and the corrected filing receipt be issued as indicated in said Request.

Respectfully submitted,

Edward W. Grolz

Registration No. 33,705

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EWG/nd (encs)

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June 1, 2004

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Pages: 7 (including cover sheet)

From: SCULLY, SCOTT, MURPHY & PRESSER

Re:

Timothy J. Miller, et al.

RECOMBINANT FELINE CORONAVIRUS S PROTEINS

U.S. Patent Appln. No.: 10/646,874

Our Docket: 15463ZYXWV

COMMENTS:

The Filing Receipt for the above-identified Patent Application has the Domestic Priority data as claimed by applicant incomplete and should read:

Domestic Priority data as claimed by applicant:

This application is a CON of 09/854,799 05/14/2001 PAT 6,642,359 which is a CON of 08/392,459 02/22/1995 PAT 6,280,974 which is a CON of 07/847,018 04/08/1992 ABN; which is a 371 of PCT/US91/08525, filed 11/14/1991; which is a CIP of 07/698,927 05/13/1991 ABN; which is a CIP of 07/613,066 11/14/1990 ABN;

Please send to us a corrected Filing Receipt with the information as it is shown above, and on the pages to follow.

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IN THE SPECIFICATION:

Please insert at page 1, line 2, with the following paragraph:

-- Cross Reference To Related Applications

The present application is a continuation of Application Serial No. 09/854,799, filed May 14, 2001, which is a continuation of Application Serial No. 08/392,459, filed February 22, 1995; which is a continuation of Application Serial No. 07/847,018, filed April 8, 1992, now abandoned; which is a 371 of PCT/US91/08525, filed November 14, 1991; which is a continuation-in-part of Application Serial No. 07/698,927, filed May 13, 1991, now abandoned; which is a continuation-in-part of Application Serial No. 07/613,066, filed November 14, 1990, now abandoned .--

Please amend the paragraph beginning on page 8, line 7, as follows:

Figure 3 (3-1-to 3-2) illustrates Figures 3A-3B illustrate the nucleotide £(SEQ ID NO: 19) and amino acid sequence (SEQ ID NO: 20) of the PCR expression clone AR58-3. Please amend the paragraph beginning on page 8, line 10, as follows:

Figure 4 (4-1 to 4-12) illustrates Figures 4A-4L illustrate the S gene nucleotide and amino acid sequences of DF2 FIPV {(SEQ ID N O: 21 and 22)}. Also illustrated is a fragment of the sequences of DF2-HP f(SEQ ID NO: 23 and 24)} which are identical to the sequences of DF2 FIPV (to the extent DF2 FIPV has been sequenced) with the exception of the nucleotide changes above and amino acid differences below the DF2-HP sequences.

Please amend the paragraph beginning on page 8, line 17, as follows:

Figure 5-(5-1 to 5-12) illustrates Figures 5A-5L illustrate a fragment of the S gene TS-BP nucleotide sequence {(SEQ ID NO: 27)} and amino acid sequence {(SEQ ID NO: 28)} by

(Rev. 11-86)



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Applicant(s)

TIMOTHY J. MILLER, MALVERN, PA; ALBERT P. REED, EXTON, PA; SHARON R. KLEPFER, CLIFTON HEIGHTS, PA; NANCY E. PFEIFFER, SEWARD, NE; BRIAN T. ELAINE V. JONES, WYNNEWOOD, PA.

FOREIGN/PCT APPLICATIONS

FILING LICENSE GRANTED 01/05/93 RECOMBINANT FELINE CORONAVIRUS S PROTEINS

PRELIMINARY CLASS:

35



WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5:	
A61K 39/12, C07K 3/00	
C07H 15/12, C12P 21/06	
C12O 1/70, 1/68, A61K 35/14	•

(11) International Publication Number:

WO 92/08487

(43) International Publication Date:

29 May 1992 (29.05.92)

(21) International Application Number:

PCT/US91/08525

A1

(22) International Filing Date:

14 November 1991 (14.11.91)

(30) Priority data:

613,066 698,927

16 November 1990 (16.11.90) US US 13 May 1991 (13.05.91)

(71) Applicant (for all designated States except US): SMITH-KLINE BEECHAM CORPORATION [US/US]; Corporate Patents - U.S., 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MILLER, Timothy, J. [US/US]; 102 Crestside Way, Malvern, PA 19355 (US). REED, Albert, Paul [US/US]; 117 Baker Circle, Exton, PA 19341 (US). KLEPFER, Sharon, R. [US/US]; 136 N. Glenwood Avenue, Clifton Heights, PA 19018 (US). PFEIFFER, Nancy, E. [US/US]; Route 1, Box 20, Seward, NB 68434 (US). SUITER, Brian, T. [US/US]; 6211 South 42nd Street, Lincoln, NB 68516 (US). JONES, Elaine, V. [US/US]; 1217 Andover Road, Greenhill Farms, PA 19151 (US).

(74) Agents: KING, William, T. et al.; SmithKline Beecham Corporation, Corporate Patents - U.S. (UW2220), 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406 (US).

(81) Designated States: AT (European patent), AU, BE (European patent), CA, CH (European patent), DE (European patent), DK (European patent), ES (European paient), FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, KR, LU (European patent), NL (European patent), SE (European patent), US.

Published

With international search report.

(54) Title: RECOMBINANT FELINE CORONAVIRUS S PROTEINS

(57) Abstract

Novel galactokinase/FIPV S fusion proteins and their use as vaccine components, therapeutic agents, diagnostic agents, as well as methods of making same are provided.

0 93 13 14 100						
UNITED STATES DESIGNATED/ELECTED						
OFFICE (DO/EO/US)						
NOTIFICATION OF ACCEPTANCE OF APPLICATION UNDER 35. U.S.C. 371						
AND 37 CER 1,494 OR 1,495						
PATRICK A. SCHRECK!						
SMITHKLINE BEECHAM CORPORATION Date of Mailing 15 October 1992						
CORPORATE PATENTO, VIOLENTE III, VIII III III III III III III III I						
P. O. BOX 1539 KING OF PRUSSIA, PA 19406-093 File Reference						
IDENTIFICATION OF THE INTERNATIONAL APPLICATION						
International application Number International filing date Priority date claimed Priority date claimed 14 NOV 1991 14 NOV 1990						
Applicant for DO/EO/US						
MILLER, TIMOTHY J.						
NOTIFICATION						
The applicant is hereby advised that the Unites States Patent and Trademark Office in its						
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capacity as a policy perignated Office, Library and 37 CEP X 1 494						
international application has met the requirements of 35 U.S.C. 371 and 37 CFR 2 1.494.						
1.495 and is ACCEPTED for national patentability examination in the United States Patent						
and Trademark Office.						
The United States Serial Number assigned to the application and the relevant dates are:						
07/847018 08 APR 1992 08 APR 1992						
U.S.NATIONAL SERIAL NO. 35 U.S.C. 102(e) DATE DATE OF RECEIPT 35 U.S.C.						
371 REQUIREMENTS						
=== 25 TI C C 271 (f) was received on						
A request for immediate examination under 35 U.S.C. 371 (f) was received on						
and the application will be examined in turn.						
No request for immediate examination under 35 U.S.C. 371(f) was received. The						
application will not be processed or examined before the time limit set forth in either						
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PTO-103X

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Γ	SERIAL NUMBER FILING DATE	GRP.ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
	07/847,018 04/08/92	1806	\$2,096.00	14532-CIP-2	30	50	11

WILLIAM T. KING SMITHKLINE BEECHAM CORPORATION CORPORATE PATENTS-U.S., UW2220 P.O. BOX 1539 KING OF PRUSSIA, PA 19406-0939

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FOREIGN/PCT APPLICATIONS-PCT

CT/US91/08525 11/14/9

FOREIGN FILING LICENSE GRANTED 01/05/93
TITLE
RECOMBINANT FELINE CORONAVIRUS S PROTEINS

PRELIMINARY CLASS: 424

SMITHKLINE BEECHAM CORP PATTNITS-U.S.

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ω .	NOTIFICATION OF ACCEPTANCE OF						
•	APPLICATION UNDER 35 U.S.C. 371						
PATRICK A. SCHRECK	AND 37 CFR 1.494 OR 1.495						
SMITHKLINE BEECHAM CORPORATION	N Date of Mailing						
CORPORATE PATENTS-U.S. UW2220	15 October 1992						
P. O. BOX 1539	File Reference						
KING OF PRUSSIA, PA 19406-0939 1953 1953 1999							
IDENTIFICATION OF THE INTER	RNATIONAL APPLICATION .						
International application Number International fil PCT/US91/08525 International fil	Priority date claimed 14 NOV 1990						
Applicant for DO/EO/US							
MILLER, TIMOTHY J.							
NOTIFICA							
The applicant is hereby advised that the Unites	States Patent and Trademark Office in its						
capacity as a Designated Office. Elected	Office, has determined that the above identified						
international application has met the requirement	ents of 35 U.S.C. 371 and 37 CFR X 1.494,						
international application has met the requirement	Sins of 55 Otto Continued States Patent						
1.495 and is ACCEPTED for national pater	1.495 and is ACCEPTED for national patentability examination in the United States Patent						
and Trademark Office.	· • • • • • • • • • • • • • • • • • • •						
and Trademark Office.							
The United States Serial Number assigned to the application and the relevant dates are:							
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THE PROPERTY OF LLC C							
U.S.NATIONAL SERIAL NO. 35 U.S.C. 1	02(e) DATE DATE OF RECEIPT 35 U.S.C. 371 REQUIREMENTS						
A request for immediate examination und	der 35 U.S.C. 371 (f) was received on						
and the plication will be examined in turn.							
No request for immediate examination un	ider 35 U.S.C. 371(f) was received. The						
application will not be processed or exami	ned before the time limit set forth in either						
application will not be proceeded of the PCT), or PCT Article 40 (Chapter II of the PCT)						
whichever is applicable.:	whichever is applicable.:						
·	•						
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